

Curriculum Vitae

(السيرة الذاتية)



Dr. Moustafa Omar Ahmed Abu-Shawiesh
Professor of Statistics, Ph.D.
Department of Mathematics
Faculty of Science
The Hashemite University
JORDAN

26 – June – 2022

Personal Information

Full Name: Moustafa Omar Ahmed Abu-Shawiesh
Place of Birth: Irbid-Jordan
Date of Birth: 7th of June, 1968
Nationality: Jordanian
Religion: Islam
Marital and Family Status: Married and have six children
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Education

- | | |
|-----------------------|---|
| 1995 – 1999 | Ph.D. degree in Statistics
Department of Statistics, Faculty of Mathematical Science,
Universiti Kebangsaan Malaysia (UKM), 43600 UKM Bangi
Selangor, Malaysia. 2023 QS World University Rankings is 129.
Thesis: " <u>Statistical Process Control Charts for Location and
Scale Based on Robust and Nonparametric Methods</u> ".
Supervisor: Dr. Mokhtar Abdullah, Professor of Statistics. |
| 1990 – 1994 | Master of Science (M.Sc.) degree in Statistics
Department of Statistics, Faculty of Science, Yarmouk University
(YU), Irbid, Jordan.
Thesis: " <u>Statistical Analysis of Road Accidents Data From Irbid
Governorate of Jordan</u> ".
Supervisor: Dr. Moh'd Salahdeen Ahmad, Professor of Statistics. |
| 1986 – 1990 | Bachelor of Science (B.Sc.) degree in Statistics
Department of Statistics, Faculty of Science, Yarmouk University
(YU), Irbid, Jordan.
Minor: " <u>Computer Science</u> ". |
| 22 / 07 / 1986 | Jordanian General Secondary Education Certificate
Scientific Stream, Percentage Average 80.3/100 (<i>Eighty Point
Three</i>), Very Good Rating, Ministry of Education, Jordan. |

Awarded Scholarship

A scholarship from the Malaysian Technical Cooperation Programme (MTCP). Scholarship of the Malaysian Government for the Ph.D. program in Universiti Kebangsaan Malaysia (UKM) from 05 / 07 / 1996 to 04 / 11 / 1998.

Areas of Research Interests

My work spans several major areas of statistics and is driven by an interest in developing statistically sound solutions to real-world problems. My research interests can be categorized into several areas as follows:

- Robust Statistical Methods.
- Statistical Process Control.
- Confidence Interval Estimation.
- Time Series Analysis and Forecasting.
- Artificial Neural Networks.

Current and Future Research

Current work deals with the establishment of new confidence intervals based on robust methods, which includes many applications from sciences. Other ongoing work is in statistical process control. My future research plans are to develop methods and tools in the area of statistical process control using M-estimators which are a general class of robust statistics and are now the preferred solution.

Areas of Teaching Interests

Applied Statistics; Biostatistics; Forecasting; Estimation Theory; Probability Theory, Mathematical Statistics; Decision Theory; Engineering Statistics; Non-Parametric Statistics; Applied Regression Analysis; Quality Control; Sampling Techniques; Statistical Inference; Statistics for Business and Economics; Operations Research; Numerical Analysis; Statistics for Health Sciences; Pharmaceutical Statistics; Statistics for Computer Science; Statistical Computing; Statistical Packages.

Teaching Experience

(1) **Professor of Statistics:** Department of Mathematics, Faculty of Science, The Hashemite University, Jordan (April 05, 2021 – Present).

- (2) **Associate Professor of Statistics (Rank A):** Department of Mathematics, Faculty of Science, The Hashemite University, Jordan (January 16, 2020 – April 04, 2021).
- (3) **Associate Professor of Statistics (Rank B):** Department of Mathematics, Faculty of Science, The Hashemite University, Jordan (September 24, 2013 – January 15, 2020).
- (4) **Associate Professor of Statistics:** Department of Mathematical and Physical Sciences (DMPS), College of Arts & Sciences, University of Nizwa, Sultanate of Oman (August 31, 2014 – August 28, 2016 *Sabbatical Leave*).
- (5) **Assistant Professor of Statistics (Rank A):** Department of Mathematics, Faculty of Science, The Hashemite University, Jordan (March 2009 – September 23, 2013).
- (6) **Part-Time Lecturer of Statistics:** Jordan University of Science and Technology (First Semester 2012-2013).
- (7) **Assistant Professor of Statistics (Rank B):** Department of Mathematics, Faculty of Science, The Hashemite University, Jordan (September 2007 – March 2009).
- (8) **Full-Time Lecturer of Statistics:** Department of Mathematics, Faculty of Science, The Hashemite University, Jordan (September 2007 – September 2008).
- (9) **Assistant Professor of Statistics:** Department of Statistics and Quantitative Methods, King Faisal University, Saudi Arabia (August 1999 - September 2007).
- (10) **Part-Time Lecturer of Statistics:** Jordan University, Jordan (Summer Semester 2004-2005, First Semester 2007-2008, First Semester 2008-2009, Summer Semester 2009-2010, Second Semester 2011-2012).
- (11) **Part-Time Lecturer of Statistics:** Al-Isra Private University, Jordan (Second Semester 2009-2010).
- (12) **Part-Time Lecturer of Statistics:** Al-Balqa Applied University, Jordan (Summer Semester 2005-2006).
- (13) **Part-Time Lecturer of Mathematics:** Arab Open University, Saudi Arabia (Second Semester 2004-2005).
- (14) **Part-Time Lecturer of Statistics, Mathematics and Operations Research:** Intermediate University College, Jordan (08 / 03 / 1999 to 07 / 07 / 1999).
- (15) **Teaching and Research Assistant:** Yarmouk University, Jordan (Four Semesters from 1990-1991 to 1991-1992).

Employment History

(1) Administrative Employee in the Insurance Sector

Arab Life and Accident Insurance Company, Amman, Jordan from 06 / 08 / 1994 to 26 / 06 / 1995.

(2) Statistical Researcher

Jordanian Department of Statistics, Ministry of Planning and International Cooperation, Jordan from 14 / 06 / 1994 to 04 / 08 / 1994.

Language Proficiency

Arabic is my first language (*Mother Tongue*), and I am very good in speak, read, write and listen to English language. I have a full command of teaching in English. I can speak, read, write, and listen to Bahasa Malaysia very little.

Computer Skills and Packages Known

I am professional in the Microsoft FORTRAN Power Station and some other computer programming languages. I am teaching several statistical software's in applied courses and use them in my research: Microsoft Teams, Microsoft Office (Word, Excel, Power Point, and Internet Explorer), Minitab, SPSS, R and others.

Taught Courses

(1) Undergraduate Courses

Principles of Statistics ; Statistical Analysis ; Statistical Methods (1) ; Statistical Methods (2) ; Mathematical Statistics ; Probability Theory ; Sampling Techniques ; Statistics for Economics and Administrative Sciences ; Biostatistics ; Principles of Mathematics ; Statistics for Economics and Administrative Sciences ; Calculus (1) ; Numerical Analysis ; Operations Research ; Quantitative Methods for Decision Making ; Using Mathematics - Part I (Mathematics & Discrete Modeling) ; Using Mathematics - Part II (Continuous Models & Modeling Uncertainty) ; Statistical Inference I ; Statistical Inference II ; Statistics for Engineering ; Business Statistics ; Applied Regression Analysis ; Pharmaceutical Statistics.

(2) Graduate Courses (*Master Programe*)

1. Advanced Biostatistics for Medical Laboratory Sciences.

2. Pharmaceutical Biostatistics.
3. Introduction to Statistics for Education.
4. Educational Computerized Statistics.
5. Applied Statistics (*Biostatistics*).

Students Evaluation of My Teaching

Student's evaluation of teaching is an instrument for gathering data from students about their response to teaching. Student's evaluation of me on the average is more than 90. My student's evaluations for courses for several selected semesters are listed in the accompanying table below:

Course Name	Academic Year	Semester	Evaluation Grade
Probability Theory	2021 / 2022	Second	93.34
Statistical Methods (1)	2020 / 2021	Second	90.55
Mathematical Statistics	2020 / 2021	First	83.57
Sampling Techniques	2019 / 2020	First	95.33
Principles of Statistics	2018 / 2019	Second	88.74
Pharmaceutical Statistics	2018 / 2019	First	90.16
Mathematical Statistics	2017 / 2018	Second	85.54
Probability Theory	2017 / 2018	First	91.38
Applied Regression	2016 / 2017	Second	93.44
Sampling Techniques	2016 / 2017	First	91.28
Probability Theory	2013 / 2014	First	94.95
Statistical Methods (1)	2012 / 2013	Second	83.60
Statistical Methods (2)	2011 / 2012	Second	86.10
Statistics for Economics	2010 / 2011	First	87.66
Mathematical Statistics	2009 / 2010	Second	90.27
Biostatistics	2007 / 2008	First	88.28

External Examiner of Ph. D. Thesis

1. External examiner for the Ph. D. thesis (2021) of Ms. VANITHA R, "CAUSAL INFERENCE OF FUZZY OPTIMIZATION ON STATISTICAL MEDIATION AND MODERATION ANALYSIS", School Advanced Sciences (SAS), Vellore Institute of Technology (VIT), Vellore, India. The thesis was supervised by Dr. D. Kalpanapriya.

External Examiner and Involvement in M.Sc. Thesis Committees

1. Member of the M. Sc. thesis committee (2022) of Hibah Adnan AL-Tarabsheh, General Method to Estimate the Stress-Strength Reliability $P(X > Y)$, Department of Statistics, Yarmouk University, Irbid, Jordan. The thesis is supervised by Prof. Dr. Omar Edous.

2. Member of the M. Sc. thesis committee (2020) of Andaleeb Talal Al-Raja, *Entropy-Based Weighted Distributions*, Department of Statistics, Yarmouk University, Irbid, Jordan. The thesis is supervised by Prof. Dr. Amjad D. Al-Nasser.
3. Member of the M. Sc. thesis committee (2019) of Heba Abdel-Rahim Hamed Hamed, *Generalization to Rama and Mukherjee-Islam Distributions*, Department of Mathematics, Al al-Bayt University, Mafraq, Jordan. The thesis is supervised by Dr. Loai Al-Zou'bi.
4. Member of the M. Sc. thesis committee (2017) of Sarah Alabed Alhadi, *Solving Inventory System Problems Using Selection Procedures*, Department of Mathematics, Jordan University of Science and Technology, Irbid, Jordan. The thesis is supervised by Prof. Dr. Mahmoud Alrefaei.
5. Member of the M. Sc. thesis committee (2017) of Ashraf Ababneh, *Comparison Among Some Remedial Procedures for Solving Multicolinearity Problem in Regresion Model Using Simulation*, Department of Mathematics, Zarqa University, Al-Zarqa, Jordan. The thesis is supervised by Prof. Dr. Faris Alathari.
6. Member of the M. Sc. thesis committee (2012) of Rana Dandis, *Designing Degradation Experiments Using a Log-Logistic Distribution*, Department of Statistics, Yarmouk University, Irbid, Jordan. The thesis is supervised by Prof. Dr. Mohammed Hassan Baker Al-Haj.
7. Member of the M. Sc. thesis committee (2012) of Fadia Al-Shboul, *Estimation of Population Abundance for Multiple Linear Transect Using Histogram Method*, Department of Statistics, Yarmouk University, Irbid, Jordan. The thesis is supervised by Prof. Dr. Omar Edous.
8. Member of the M. Sc. thesis committee (2011) of Ayat Al Momani, *Estimation of Abundance Based on Line Transect Data With and Without the Shoulder Condition*, Department of Statistics, Yarmouk University, Irbid, Jordan. The thesis is supervised by Prof. Dr. Omar Edous.
9. Member of the M. Sc. thesis committee (2009) of Ala' Alsamman, *Estimating the Polynomial Models with Berkson Measurement Error*, Department of Statistics, Yarmouk University, Irbid, Jordan. The thesis is supervised by Prof. Dr. Amjad D. Al-Nasser.
10. Member of the M. Sc. thesis committee (2009) of Noor Al Momani, *Variable Kernel Density Estimation for Simple Linear Degradation Model*, Department of Statistics, Yarmouk University, Irbid, Jordan. The thesis is supervised by Prof. Dr. Mohammed Hassan Baker Al-Haj.
11. Member of the M. Sc. thesis committee (2009) of Aysha' Alzioot, *A Robust Graphical Method for Comparing Means*, Department of Statistics, Yarmouk University, Irbid, Jordan. The thesis is supervised by Prof. Dr. Omar Edous.

Training Courses and Workshops

- (1) "WEAVEOnline", held in University of Nizwa, Nizwa, Sultanate of Oman, from 20 / 01 / 2015 to 22 / 01 / 2015.
- (2) "Educational Technology", held in Center of Academic Quality Assurance, The Hashemite University, Jordan, from 10 / 11 / 2007 to 17 / 11 / 2007.
- (3) "Applications of Total Quality Management in Educational Services", held in the College of Technology, General Organization of Technical Education and Vocational Training, Saudi Arabia, from 20 / 05 / 2001 to 22 / 05 / 2001.
- (4) "Marketing of Life Insurance", held in Arab life and Accident Insurance Company, Jordan, from 11 / 02 / 1995 to 19 / 02 / 1995.

Competitive Research Grants

Completed the project number 6034 entitled "*Forecasting of Saudi Stock Exchange Using Neural Networks Approach*". The amount of financial Support is (90,000 SAR) Ninety Thousands of Saudi Riyals. The project duration is 24 months (two years) from September 2005 to September 2007. The project was funded by the Deanship of Scientific Research, King Faisal University, Saudi Arabia.

Publications

(a) Research Papers Published in International Refereed Journals

Published Papers

Year (2022)

1. Amber Yousaf Dar, Nadia Saeed, Moustafa Omar Ahmed Abu-Shawiesh, Saman Hanif Shahbaz and Muhammad Qaiser Shahbaz, "A New Class of Ratio Type Estimators in Single and Two Phase Sampling", AIMS Mathematics, vol. 7, issue 8, pp. 14208-14226, May, 2022., *Scopus (Q₁) & Web of Science (Clarivate Analytics-Science Citation Index Expanded (SCIE)-Impact Factor: 2.739)*, USA.
2. Ala'a Mahmoud Falih Bataineh, Nadia Saeed, Alaa Fakri Sulaiman Obeidat, Shahid Kamal and Moustafa Omar Ahmed Abu-Shawiesh, "Robust Point M-Scale Estimators for Monitoring the Mean of EWMA Control Chart under the Normal Process", Ain Shams Engineering Journal (ASEJ), vol. 13, issue 6, pp. 01- 11, November, 2022., *Scopus (Q₁) & Web of Science (Clarivate Analytics-Science Citation Index Expanded (SCIE)-Impact Factor: 3.180)*, Egypt.
3. Moustafa Omar Ahmed Abu-Shawiesh, Juthaphorn Sinsomboonthong and B. M. Golam Kibria, "A Modified Robust Confidence Interval for the Population Mean of Distribution based on Deciles", Statistics in Transition new series (SiTns) Journal (SIT), vol. 23, issue 1, pp. 109- 128, March, 2022. *Scopus (Q₄)*, Poland.

4. Moustafa Omar Ahmed Abu-Shawiesh and Nadia Saeed, "Monitoring process variability using decile mean standard deviation", Quality and Reliability Engineering International Journal (*QREI*), vol. 38, issue 1, pp. 501- 515, 2022. *Scopus (Q₂) & Web of Science (Clarivate Analytics-Science Citation Index Expanded (SCIE)-Impact Factor: 2.885)*, USA.

Year (2021)

5. Majid Liaqat, Nadia Saeed, Moustafa Omar Ahmed Abu-Shawiesh and Rehan Ahmad Khan Sherwani, "A Group Chain Acceptance Sampling Plans for Lifetimes Following Beta Burr Type-X Distribution with Minimum Angle Approach", Industrial Engineering and Management Systems (*IEMS*), vol. 20, No. (3), pp. 464-474, September 2021. *Scopus (Q₂) & Web of Science (Clarivate Analytics- Emerging Sources Citation Index (ESCI))*, South Korea.
6. Moustafa Omar Ahmed Abu-Shawiesh, Hayriye Esra Akyüz and Anwer Khurshid, "Two simple confidence intervals for the population coefficient of variation under the non-normal and skewed distributions", Italian Journal of Pure and Applied Mathematics (*IJPAM*), vol. 45, pp. 397-418, 2021. *Scopus (Q₃) & Web of Science (Clarivate Analytics- Emerging Sources Citation Index (ESCI))*, Italy.
7. Nadia Saeed and Moustafa Omar Ahmed Abu-Shawiesh, "A trimmed EWMA control charts for non-normal processes", Production Engineering-Research and Development Journal (*PERE*), vol. 15, issue (3-4) June, pp. 545-561, 2021. *Scopus (Q₂) & Web of Science (Clarivate Analytics- Emerging Sources Citation Index (ESCI))*, Germany.
8. Moustafa Omar Ahmed Abu-Shawiesh, Aamir Saghir, Mohammad H. Almomani, Mokhtar Abdullah and Hatim Migdadi, "A Comparative Analysis of Robust Moving Average Dispersion Control Charts", Thailand Statistician Journal (*TS*), vol. 19, issue 2 (April), pp. 228-247, 2021. *Scopus (Q₄) & Web of Science (Clarivate Analytics- Emerging Sources Citation Index (ESCI))*, Thailand.

Year (2020)

9. Moustafa Omar Ahmed Abu-Shawiesh, Shipra Banik, B. M. Golam Kibria, and Hayriye Esra Akyüz, "A Comparison of some Modified Confidence Intervals based on Robust Scale Estimators for Process Capability Index", Production Engineering-Research and Development Journal (*PERE*), vol. 14, issue 2, pp. 217-229, 2020. *Scopus (Q₂) & Web of Science (Clarivate Analytics-Emerging Sources Citation Index (ESCI))*, Germany.
10. Moustafa Omar Ahmed Abu-Shawiesh, Srinivasan M. R., Sindhumoul M. R. and B. M. Golam Kibria, "Performance of a Robust Confidence Interval for the Process Capability Index C_p based on the Modified Trimmed Standard Deviation Under Non-Normal Distributions", WSEAS Transactions on Mathematics, vol. 19, pp. 571-580, 2020, *Scopus (Q₃)*, Greece.
11. Juthaphorn Sinsomboonthong, Moustafa Omar Ahmed Abu-Shawiesh and B. M. Golam Kibria "Performance of Robust Confidence Intervals for Estimating

Population Mean Under Both Non-Normality and In Presence of Outliers", Advances in Science, Technology and Engineering Systems Journal (ASTESJ), vol. 5, issue 3, pp. 442-449, 2020. **Scopus**, USA.

12. Moustafa Omar Ahmed Abu-Shawiesh, Juthaphorn Sinsomboonthong, Ahmad M. A. Adawi, and Mohammad H. Almomani, "Confidence Intervals for the Scale Parameter of a Two-Parameter Weibull Distribution: One Sample Problem", International Journal of Applied Mathematics (IJAM), vol. 33, issue 3, pp. 451-478, 2020. **Scopus (Q3)**, Bulgaria.
13. Moustafa Omar Ahmed Abu-Shawiesh and Juthaphorn Sinsomboonthong, "A Confidence Interval for the Population Mean of the One Parameter Exponential Distribution based on the Wilson-Hilferty Transformation", Journal of Model Assisted Statistics and Applications : An International Journal (MASA), vol. 15, issue 1, pp. 67- 79, 2020. **Scopus (Q4)**, Netherlands.
14. Hayriye Esra Akyüz, and Moustafa Omar Ahmed Abu-Shawiesh "A Robust Confidence Interval based on Modified Trimmed Standard Deviation for the Mean of Positively Skewed Populations", Electronic Journal of Applied Statistical Analysis (EJASA), vol. 13, issue 1, pp. 164- 182, 2020. **Scopus (Q3) & Web of Science (Clarivate Analytics-Emerging Sources Citation Index (ESCI))**, Italy.
15. Moustafa Omar Ahmed Abu-Shawiesh, Muhammad Riaz and Qurat-Ul-Ain Khaliq, "MTSD-TCC: A Robust Alternative to Tukey's Control Chart (TCC) based on the Modified Trimmed Standard Deviation (MTSD)", Mathematics and Statistics Journal, vol. 8, issue 3, pp. 262- 277, 2020. **Scopus (Q4)**, USA.

Year (2019)

16. Moustafa Omar Ahmed Abu-Shawiesh, and Aamir Saghir, "Robust Confidence Intervals for the Population Mean Alternatives to the Student-t Confidence Interval", Journal of Modern Applied Statistical Methods (JMASM), vol. 18, issue 1, eP2721 pp. 1- 21, 2019. **Scopus (Q3) & Web of Science (Clarivate Analytics-Emerging Sources Citation Index (ESCI))**, USA.
17. Moustafa Omar Ahmed Abu-Shawiesh, Aamir Saghir, and B. M. Golam Kibria, "Approximate Asymptotic Confidence Interval for the Population Standard Deviation based on the Sample Gini's Mean Difference", Applied Mathematics & Information Sciences: An International Journal (AMIS), vol. 13, issue 5, pp. 699-706, 2019. **Scopus (Q2)**, USA.
18. Moustafa Omar Ahmed Abu-Shawiesh, Hayriye Esra Akyüz, Hatim Migdadi and B. M. Golam Kibria, "Robust Alternatives to the Tukey's Control Chart for the Monitoring of the Statistical Process Mean", International Journal for Quality Research (IJQR), vol. 13, issue 3, pp. 641- 654, 2019. **Scopus (Q2) & Web of Science (Clarivate Analytics-Emerging Sources Citation Index (ESCI))**, Serbia.
19. Hatim Solayman Migdadia, Mohammad H. Almomani, Moustafa Omar Ahmed Abu-Shawiesh and Omar Meqdadi, "Reliability Performance of Improved General

Series-Parallel Systems in the Generalized Exponential Lifetime Model", International Journal of performability Engineering (IJPE), vol. 15, issue 6, pp. 1734 - 1743, 2019. **Scopus (Q4), India.**

20. Moustafa Omar Ahmed Abu-Shawiesh, Hayriye Esra Akyüz and B. M. Golam Kibria, "*Performance of Some Confidence Intervals for Estimating the Population Coefficient of Variation under both Symmetric and Skewed Distributions*", Statistics, Optimization and information computing: An International Journal (SOIC), vol. 7, issue 2, pp. 277 - 290, 2019. **Scopus (Q2), USA.**

Year (2013-2018)

21. Hatim Migdadi, Moustafa Omar Ahmed Abu-Shawiesh and Mohammed H. Al-Momani, "*Bayesian Estimation of the Weibull Parameters based on Competing Risks Grouped Data*", Electronic Journal of Applied Statistical Analysis (EJASA), vol. 11, issue 2, pp. 687 - 706, 2018. **Scopus (Q3) & Web of Science (Clarivate Analytics-Emerging Sources Citation Index (ESCI)), Italy.**
22. Moustafa Omar Ahmed Abu-Shawiesh, Shipra Banik and B. M. Golam Kibria, "*Confidence Intervals based on Absolute Deviation for Population Mean of a Positively Skewed Distribution*", International Journal of Computational and Theoretical Statistics (IJCTS), vol. 5, issue 1, pp. 1 - 13, 2018. **EBSCO, Bahrain.**
23. Moustafa Omar Ahmed Abu-Shawiesh, Florence George and B. M. Golam Kibria, "*A Comparison of Some Robust Bivariate Control Charts For Individual Observations*", International Journal for Quality Research (IJQR), vol. 8, issue 2, pp. 143 - 154, 2014. **Scopus (Q2) & Web of Science (Clarivate Analytics-Emerging Sources Citation Index (ESCI)), Serbia.**
24. Shipra Banik, Ahmed N. Albatineh, Moustafa Omar Ahmed Abu-Shawiesh and B. M. Golam Kibria, "*Estimating the Population Standard Deviation with Confidence Interval: A Simulation Study under Skewed and Symmetric Conditions*", International Journal of Statistics in Medical Research, vol. 3, issue 4, pp. 356-367, 2014. **USA.**
25. Moustafa Omar Ahmed Abu-Shawiesh, B. M. Golam Kibria and Florence George, "*A Robust Bivariate Control Chart Alternative to the Hotelling's T^2 Control Chart*", Quality and Reliability Engineering International (QREI), vol. 30, issue 1, pp. 25 - 35, 2014. **Scopus (Q2) & Web of Science (Clarivate Analytics-Science Citation Index Expanded (SCIE)-Impact Factor: 2.885), USA.**
26. Alsayed, O. , R. Al Badarneh and Moustafa Omar Ahmed Abu-Shawiesh, "*Ion-acoustic Solitary Waves in An Inhomogeneous Magnetized Two-Ion-Temperature Dust Plasma*", International Journal of Mathematical Analysis (IJMA), vol. 7, issue 8, pp. 379 - 384, 2013. **Scopus, Bulgaria.**

Years (2008-2011)

27. Moustafa Omar Ahmed Abu-Shawiesh, Shipra Banik and B. M. Golam Kibria, "A Simulation Study on Some Confidence Intervals for the Population Standard Deviation", *Statistics and Operations Research Transactions (SORT)*, vol. 35, issue 2, pp. 83-102, 2011. *Scopus (Q₂) & Web of Science (Clarivate Analytics-Science Citation Index Expanded (SCIE)-Impact Factor: 1.185)*, Spain.
28. Moustafa Omar Ahmed Abu-Shawiesh and B. M. Golam Kibria, "On Some Confidence Intervals for Estimating the Population Median: An Empirical Study", *International Journal of Applied Mathematics (IJAM)*, vol. 24, issue 2, pp. 161-182, 2011. *Scopus (Q₃)*, Bulgaria.
29. Moustafa Omar Ahmed Abu-Shawiesh, "Adjusted Confidence Interval for the Population Median of the Exponential Distribution", *Journal of Modern Applied Statistical Methods (JMASM)*, vol. 9, issue 2, pp. 461- 469, 2010. *Scopus (Q₃) & Web of Science (Clarivate Analytics-Emerging Sources Citation Index (ESCI))*, USA.
30. Moustafa Omar Ahmed Abu-Shawiesh, F. M. Al-Athari and H. F. Kittani, "Confidence Interval for the Mean of a Contaminated Normal Distribution", *Journal of Applied Sciences (JAS)*, vol. 9, issue 15, pp. 2835-2840, 2009. *Scopus, UAE*.
31. Moustafa Omar Ahmed Abu-Shawiesh, "A Control Chart Based on Robust Estimators for Monitoring the Process Mean of a Quality Characteristic", *International Journal of Quality and Reliability Management (IJQRM)*, vol. 26, issue 5, pp. 480 - 496, 2009. *Scopus (Q₁) & Web of Science (Clarivate Analytics-Emerging Sources Citation Index (ESCI))*, England.
32. Moustafa Omar Ahmed Abu-Shawiesh, "A Control Chart based on MAD for Moniotoring the Process Variability of a Quality Characteristic", *International Journal of Statistics and Systems (IJSS)*, vol. 4, issue 1, pp. 47-61, 2009. *EBSCOhost, India*.
33. Faris M. Al-Athari, Hilmi F. Kittani and Moustafa Omar Ahmed Abu-Shawiesh, "Comparison Between Two Methods for Estimation the Mean and Variance of the Truncated Normal Distribution", *International Journal of Applied Science and Computations (IJASC)*, vol. 15, issue 2, pp. 99-109, 2008. *USA*.
34. Moustafa Omar Ahmed Abu-Shawiesh, "A Simple Robust Control Chart Based on MAD", *Journal of Mathematics and Statistics (JMS)*, vol. 4, issue 2, pp. 102-107, 2008. *Scopus, UAE*.

Years (1997-2001)

35. Moustafa Omar Ahmed Abu-Shawiesh and Mokhtar B. Abdullah "A New Robust Bivariate Control Chart for Location", *Communication in Statistics-Simulation and Computation Series*, vol. 30 , issue 3, pp. 513-549, 2001. *Scopus (Q₂) & Web of Science (Clarivate Analytics-Science Citation Index Expanded (SCIE)-Impact Factor: 1.118)*, USA.

36. Moustafa Omar Ahmed Abu-Shawiesh and Mokhtar B. Abdullah, "A Modified Nonparametric Univariate Control Chart for Location Based on the α -Trimmed Mean", Sains Malaysiana Journal, vol. 30, pp. 87 – 106, 2001. **Scopus (Q₂) & Web of Science (Clarivate Analytics-Science Citation Index Expanded (SCIE)-Impact Factor: 1.009)**, Malaysia.
37. Moustafa Omar Ahmed Abu-Shawiesh and Mokhtar B. Abdullah, "Estimating the Process Standard Deviation based on the Downton's Estimator", Quality Engineering Journal, vol. 12, issue 3, pp. 357-363, 2000. **Scopus (Q₂) & Web of Science (Clarivate Analytics-Science Citation Index Expanded (SCIE)-Impact Factor: 2.128)**, USA.
38. Moustafa Omar Ahmed Abu-Shawiesh and Mokhtar B. Abdullah, "New Robust Statistical Process Control Chart for Location", Quality Engineering Journal, vol. 12, issue 2, pp. 149-159, 1999. **Scopus (Q₂) & Web of Science (Clarivate Analytics-Science Citation Index Expanded (SCIE)-Impact Factor: 2.128)**, USA.
39. Moustafa Omar Ahmed Abu-Shawiesh and Mohammad S. Ahmad, "Forecasting of Road Accidents Data in Irbid Governorate of Jordan", Mu'tah Journal for Research and Studies, vol. 12, issue 4, pp. 69-90, 1997. **Jordan**.

(b) Research Papers Submitted in International Refereed Journals


There are now 3 (*Three*) papers have been submitted for possible publication in several international journals and they are under review. The full details for the submitted manuscripts are follows:

1. Hayriye Esra Akyüz, Moustafa Omar Ahmed Abu-Shawiesh and B. M. Golam Kibria, "Comparison of Confidence Intervals Based on Robust Estimators for the Coefficient of Variation: Skewed Distributions Case", **Under Review** in Arabian Journal for Science and Engineering (AJSE), **Manuscript ID: AJSE-D-22-04268**, Submitted Date: 10-June-2022, **Scopus (Q₁) & Web of Science (Clarivate Analytics-Science Citation Index Expanded (SCIE)-Impact Factor: 2.205)**, Germany.
2. Nadia Saeed, Ayesha Awais, Moustafa Omar Ahmed Abu-Shawiesh and Rehan Ahmad Khan Sherwani "Multiple Dependent Repetitive Group Sampling Plan using Marshall-Olkin Logistic-Exponential Distribution Affirming to Percentile Lifetime", **Under Review-R1** in Cogent Engineering Journal (CE), **Manuscript ID: 221821454**, Submitted Date: 09-March-2022, **Scopus (Q₂)**, UK.
3. Moustafa Omar Ahmed Abu-Shawiesh, Juthaphorn Sinsomboonthong, Nadia Saeed and B. M. Golam Kibria, "Estimating the Population Mean under a Contaminated Distribution Based on Deciles", **Under Review** in Scientific Reports Journal (Sci Rep), **Manuscript ID: f25d229a-c9ed-4fb3-a7db-adf4f3dc0628**, Submitted Date: 31-January-2022, **Scopus (Q₁)**, & **Web of Science (Clarivate Analytics-Science Citation Index Expanded (SCIE)-Impact Factor: 5.134)**, UK.

Publication Citation Summary in Research Profiles


(a) Google Scholar

Available at: <http://scholar.google.com/citations?user=gfiwL1AAAAAJ&hl=en>

	Summary	All	Since 2017
	Citations	310	185
	h-index	9	7
	i10-index	9	6


(b) Scopus

Available at: <http://www.scopus.com/authid/detail.uri?authortl=6505843727>

	Documents	Citations	h-index
	27	174 by 136 Documents	6


(c) Clarivate Analytics (*Web of Science*)

Available at: <https://Og10ynhgr-y-https-www-webofscience-com.hu.proxy.coe-library.com/wos/author/record/6501866>

	Publications in Web of Science	Citations	h-index
	16	56 by 50	4

(d) Research Gate

Available at: http://www.researchgate.net/profile/Moustafa_Abu-Shawiesh

	RG Score	Research Items	Reads	Citations	h-index
	14.95	43	9050	214	9

Conferences Presentations and Attended

(a) Presented Papers

1. *Robust Alternatives to the Tukey's Control Chart*. Book of Abstracts for the 4th International Researchers, Statisticians and Young Statisticians Congress (4th IRSYSC 2018), Turkey, Izmir, April 28-30, Page 164, 2018.
2. *On the Hodges-Lehmann Control Chart Based on the Alpha-Trimmed Mean*. Proceedings of 51 Session of the International Statistical Institute (*ISI*), Turkey, Istanbul, August 18-26, Pp. 285-286, 1997.
3. *Robust Univariate Control Chart for Location*. Proceedings of Statistical Seminar of the Malaysian Statistical Institute (*ISM*), Malaysia, Kuala Lumpur, September 20, Pp. 153-164, 1997.

4. *EWMA Control Chart*. Six Sigma Black Belt Statistical Technical Session, Motorola Company, Malaysia, Kuala Lumpur, June 27, 1996.

(b) Conferences Attend (No Papers Presented)

1. Gulf Cooperation Council Economies Conference, 2001, Saudi Arabia.
2. Institute Technology Malaysia Postgraduate Seminar, 1998, Malaysia.
3. National University of Malaysia Postgraduate Seminar, 1996, Malaysia.

Professional Services

(a) Positions Held

1. **Department Chair**: Department of Basic Sciences, Faculty of Science, The Hashemite University, Jordan, from 02 / 10 / 2017 to 02 / 10 / 2019.
2. **Head of Section**: Statistics Section, Department of Mathematical and Physical Sciences (DMPS), College of Arts & Sciences, University of Nizwa, Sultanate of Oman, from 18 / 09 / 2014 to 28 / 08 / 2016.

(b) Scholarly Activities

1. Representative of the Department of Mathematical and Physical Sciences (DMPS), College of Arts & Sciences Council, University of Nizwa, Sultanate of Oman, for the academic years 2014/2015 and 2015/2016.
2. Secretary of the Department of Mathematics Council in the faculty of science in the Hashemite University for the academic year 2010/2011.
3. Representative of the Department of Mathematics in the faculty of science council in the Hashemite University for the academic year 2009/2010.
4. A coordinator of the statistics courses for several times in the Department of Mathematics in the faculty of science in the Hashemite University.
5. Academic advisor for the students in the third and fourth level of the Department of Mathematics in faculty of science in Hashemite University from 2007 to 2012.
6. Equation courses for the students of the Department of Mathematics in the faculty of science in the Hashemite University from 2007 to present.

(c) Committee Services

1. Member in many committees in the Department of Mathematics, faculty of arts and sciences, Nizwa University, Sultanate of Oman from 2014 to 2016.
2. Member in many committees in the Department of Mathematics, faculty of science, The Hashemite University from 2007 to present.
3. Member in many committees in the Faculty of Science in the Hashemite University for the academic years 2009 / 2010, 2017 / 2018 and 2018 / 2019.
4. Academic Affairs Committee, College of Management Sciences and Planning, King Faisal University, Saudi Arabia from 1999 to 2007.
5. Graduate Students Committee, College of Management Sciences and Planning, King Faisal University, Saudi Arabia from 1999 to 2007.
6. The Students Activities Committee, College of Management Sciences and Planning, King Faisal University, Saudi Arabia from 1999 to 2007.

(d) Books Review

- (1) Reviewing the book (*written in Arabic language*) entitled: **Statistics in Administrative Sciences** (الإحصاء في العلوم الإدارية) by Firas Saleem Haddad and others in College of Applied Studies and Community Service, **Imam Abdulrahman Bin Faisal University**, Saudi Arabia, 2018.
- (2) Reviewing chapters of the published book entitled: **Statistics for Business (Arab World Edition)** by Farouk Benghezal for international publisher: **Pearson (Addison-Wesley)**, USA, 2011, **ISBN: 9781408269800**.

(e) Reviewing Research Papers for Journals

I have served as a peer reviewer to many international journals in Statistics, Mathematics, Management and Engineering. Selected sample of these journals is mentioned below:

- International Journal of Simulation and Process Modelling, **Inderscience Publishers**, UK.
- International Journal of Production Research, **Taylor & Francis**, UK.
- Intelligent Automation & Soft Computing, **Tech Science Press**, USA.
- Statistical Computation and Simulation, **Taylor & Francis**, UK.
- Journal of Applied Statistics, **Taylor & Francis**, UK.
- Hacettepe Journal of Mathematics and Statistics, **Hacettepe University**, Turkey.

- Maejo International Journal of Science and Technology, **Maejo University**, Thailand.
- International Journal of Quality and Reliability Management, **Emerald**, UK.
- Industrial Engineering & Management Systems, **KIIE**, South Korea.
- International Journal for Quality Research, **University of Montenegro**, Serbia.
- The Open Civil Engineering Journal, **Bentham**, Netherlands.
- Journal of Applied Science and Engineering, **Tamkang University**, Taiwan.
- Journal of Modern Applied Statistical Methods, **Wayne State University Press**, USA.
- Jordan Journal of Mathematics and Statistics, **Yarmouk University**, Jordan.
- Revista Investigacion Operacional, **Universidad de La Habana**, Cuba.
- Model Assisted Statistics and Applications, **IOS Press**, Netherlands.
- Statistics in Transition-New Series, **Central Statistical Office of Poland**, Poland.
- Punjab University Journal, **Department of Mathematics-Punjab University**, Pakistan.
- Journal of Applied Sciences, **Asian Network for Scientific Information**, UAE.
- Annals of Management Science, **International Center for Business and Management / Tennessee State University**, USA.

Editorial Board Membership for International Journals

1. Associate Editor for the Annals of Management Science (AMS), International Center for Business and Management, Tennessee State University, USA.
2. Editorial Board Member for the Journal of Mathematics and Statistics (JMS), Science Publications, UAE.
3. Editorial Board Member for the International Journal of Applied Mathematics and Statistical Sciences, International Academy of Science, Engineering and Technology (IASET), USA.

Communication Skills

- Teaching experience in both traditional and online learning environments.
- Ability to work under stress and meeting deadlines effectively.
- Ability to work individually or as part of a team.
- Ability to cope with new situations fast.
- Ambitious, hard worker, highly organized and very good at self-study.
- Seeking challenges and having the ability to overcome the difficulties.
- Excellent communication and interpersonal skills.
- Able to quickly grasp and comprehend new concepts.

References

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I hereby declare that the information provided in this Curriculum Vitae (CV) is true complete and correct to the best of my knowledge and belief. Certificates, Transcripts and any other documents are available upon request.